

PROJECT DESCRIPTION

I. GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF INTERSECTION LIGHTING AT THE INTERSECTION OF MD 117 AND WARING STATION ROAD IN MONTGOMERY COUNTY. MD 117 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, SEMI-TRAFFIC-ACTUATED MODE. THERE IS AN EXCLUSIVE/PERMISSIVE LEFT TURN PHASE FOR THE EASTBOUND APPROACH OF MD 117. THE MD 117 THRU MOVEMENTS WILL OPERATE CONCURRENTLY AND THE WARING STATION ROAD MOVEMENT WILL OPERATE ALONE.

EQUIPMENT LIST FOR CONTRACT NO. XX6545185

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

ITEM	QUANTITY	UNIT	DESCRIPTION
1001	1	EA	MAINTENANCE OF TRAFFIC
8010	1	EA	REMOVE AND DISPOSE EXISTING MATERIAL AND EQUIPMENT (PER ASSIGNMENT)
8016	60	LF	ELECTRICAL CABLE - 2-CONDUCTOR (NO. 12 AWG) TYPE TC
8029	1	EA	250 WATT HIGH PRESSURE SODIUM LAMP AND LUMINAIRE
NEG	1	EA	MAST ARM POLE EXTENSION FOR LIGHTING ARM
NEG	1	EA	20 FT LIGHTING ARM ON SIGNAL STRUCTURE

CONTACTS

The contact persons for this project are as follows:

Mr. Cedrick Ward (Mont.)
Assistant District Engineer - Traffic
Phone: (301) 513-7404

Mr. Vernon Stinnett
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Victor Grafton
Utility Engineer
Phone: (301) 513-7315

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Ed Rodenhizer
Supervisor, Signal Operations
Phone: (410) 787-7650

Mr. Sonny Bailey
Supervisor, Sign Shop
Phone: (410) 787-7676

Mr. Mike Stocker
Supervisor, Signal Warehouse
Phone: (410) 787-7668

Mr. Kamal Hamud
Montgomery County
(240) 777-8761

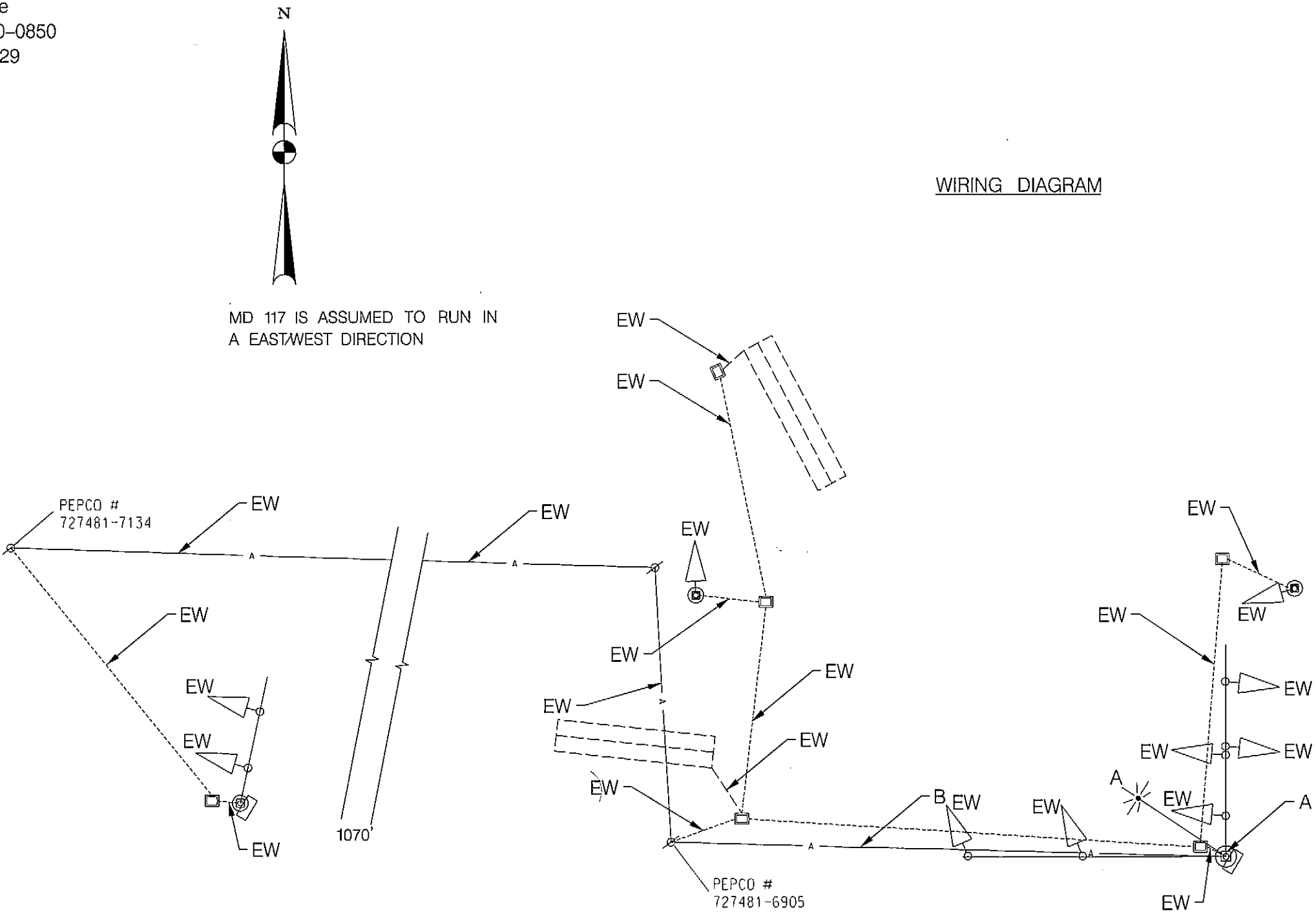
Power Company Representative - PEPCO (MONT)
Ms. Cheryl Hunt, Service Associate
201 West Gude Drive
Rockville, MD 20850-0850
Phone: (301) 548-4329

PHASE CHART

1	2	3	4	5	6	7	8	9	10
Y	Y	R	R	R	R	R	R	R	R
Y	Y	R	R	R	R	R	R	R	R
Y	Y	R	R	R	R	R	R	R	R

PHASE 1 AND 6	FL/Y	FL/Y	←GG	←GG	G	R	R	R	R	R	R
1 AND 6 CHANGE	FL/Y	FL/Y	←YG	←YG	G	R	R	R	R	R	R
PHASE 2 AND 6	FL/Y	FL/Y	G	G	G	G	G	R	R	R	R
2 AND 6 CHANGE	FL/Y	FL/Y	Y	Y	Y	Y	Y	R	R	R	R
PHASE 4	FL/Y	FL/Y	R	R	R	R	R	G	G	G	G
4 CHANGE	FL/Y	FL/Y	R	R	R	R	R	Y	Y	Y	Y
FLASHING OPERATION	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FL/Y	FRY	FL/R	FL/R	FL/R	FL/R

WIRING DIAGRAM



WIRING KEY

- A } ELECTRICAL CABLE - 2-CONDUCTOR (NO. 12 AWG) TYPE TC
- B } EXISTING POWER FEED
- EW } EXISTING WIRE

TOD NO: XX654-02
SHA NO: M0100851
MD 117 @ Waring Station Road

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 117 (CLOPPER RD.) AT
WARING STATION RD.
GERMANTOWN, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 01/2012 CONTRACT NO. XX6545185

DESIGNED BY DM COUNTY MONTGOMERY
DRAWN BY DM LOGMILE 15011709.22
CHECKED BY RM TMS NO. L040
F.A.P. NO. TOD NO.

TS NO. 4225B DRAWING GG -1 OF 1 SHEET NO. 2 OF 2

BAI BRUDIS & ASSOCIATES, INC.
Consulting Engineers
9240 Rumsey Road, Suite C
Columbia, Maryland 21045
Phone 410-984-3627
www.brudis.com

PLOTTED: Wednesday, January 25, 2012 AT 09:47 AM
FILE: P:\09-002 TEDD\Task 70 MD 117 @ Waring Station Rd\Drawings\CADD\Working\pGG-P003_MD117@Waring_Station.dgn